

Converting Colors

XYZ(41.2456, 19.7714, 71.1154)

Have a look what the booklet for
XYZ(41.2456, 19.7714, 71.1154)
contains.

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Color

**XYZ(41.3653, 19.8182,
71.4571)**

Conversions

Conversions Part 1

Format	Color
Hex	D702DF
RGB	215, 2, 223
RGB Percent	84%, 1%, 87%
CMY	0.1569, 0.9920, 0.1255
CMYK	0.04, 0.99, 0.00, 0.13
HSL	298°, 98%, 44%
HSV	298°, 99%, 87%
XYZ	41.3653, 19.8182, 71.4571
YIQ	90.8810, 56.0070, 113.8870

Conversions

Conversions Part 2

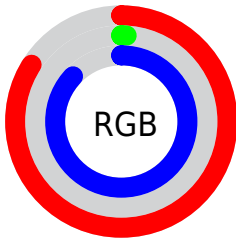
Format	Color
R_{YB}	215, 2, 223
Decimal	14090975
CIE _{Lab}	51.63, 87.40, -57.20
CIE _{LCh}	52, 104.450, 326.797
Yxy	19.8182, 0.3119, 0.1494
Android (android.graphics.Color)	4292281055 (0xFFD702DF)
YUV	90.8810, 65.1347, 108.8524
Hunter-Lab	44.5176, 87.9544, -64.0065

Details

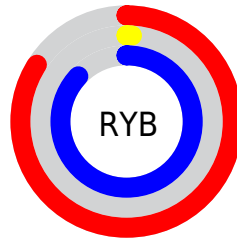
The XYZ color **41.3653, 19.8182, 71.4571** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **26.5244, 52.8447, 8.8604**, and the grayscale version is **9.7693, 10.2781, 11.1928**.

A 20% lighter version of the original color is **63.5647, 37.0294, 98.4049**, and **20.4926, 9.7586, 37.3627** is the 20% darker color. If you saturate the color by 10%, you get **41.3225, 19.7639, 71.4491**, and if you desaturate by 10%, it is **41.9152, 20.5645, 71.5724**.

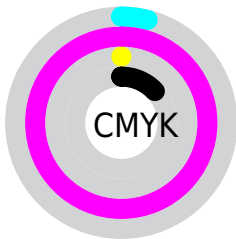
Distribution



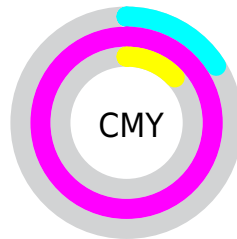
- Red (84%)
- Green (1%)
- Blue (87%)



- Red (84%)
- Yellow (1%)
- Blue (87%)



- Cyan (4%)
- Magenta (99%)
- Yellow (0%)
- Black (13%)





- Cyan (16%)
- Magenta (99%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.3653, 19.8182, 71.4571 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 41.3653, 19.8182, 71.4571 by changing the saturation by 10% instead.

 41.3653, 19.8182,
71.4571


 41.3653, 19.8182,
71.4571

342.8816,
250.9292, 484.5764


 28.7936, 12.2630,
52.2312


 76.5093, 43.1122,
122.9849

 19.0682, 6.9230,
36.8059


 99.8123, 59.6197,
156.1238

 11.8239, 3.4140,
24.7626


 127.4231, 79.8801,
194.7375

 6.6952, 1.3515,
15.6829

 159.7071,
104.2778, 239.2446

 3.3169, 0.1806,
9.1481

 197.0296,
133.1972, 290.0634

 1.3235, 0.0000,
4.7398

 239.7559,

 0.2007, 0.0000,

167.0226, 347.6126

2.0394

288.2515,
206.1385, 412.3108

■ 0.0000, 0.0000,
0.5793

■ 0.0000, 0.0000,
0.0000

■ 41.3653, 19.8182,
71.4571

■ 41.3653, 19.8182,
71.4571

■ 41.3225, 19.7639,
71.4491

■ 41.9152, 20.5645,
71.5724

■ 42.8224, 22.0242,
71.8064

■ 44.1844, 24.3920,
72.1916

■ 46.0625, 27.7903,
72.7486

■ 48.5085, 32.3225,
73.4945

■ 51.5678, 38.0797,
74.4445

■ 55.2814, 45.1434,
75.6122

■ 59.6864, 53.5885,
77.0101

■ 64.8175, 63.4840,
78.6497

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.5186, 19.8182, 125.7555



41.3653, 19.8182, 71.4571



47.1472, 19.8182, 24.9839

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



41.3653, 19.8182, 71.4571



19.9909, 19.8182, 0.0000



5.9274, 19.8182, 59.6991

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



41.3653, 19.8182, 71.4571



26.5244, 52.8447, 8.8604

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



4.9903, 19.8182, 18.4978



41.3653, 19.8182, 71.4571



11.1036, 19.8182, 0.0000

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



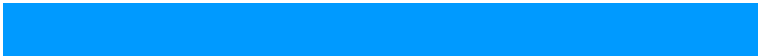
41.3653, 19.8182, 71.4571



32.2423, 19.8182, 0.1134



6.4664, 19.8182, 2.8535



9.7820, 19.8182, 115.5509

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.3653, 19.8182, 71.4571



45.6297, 19.8182, 8.7849



6.4664, 19.8182, 2.8535



5.3415, 19.8182, 43.0475

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



41.3661, 19.8191, 71.4575



74.2986, 59.9987, 102.2727



13.4897, 5.6307, 70.1881



15.4310, 11.9432, 21.7419



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.3661, 19.8191, 71.4575



55.9752, 26.7712, 96.8249



34.0641, 17.1763, 20.4444



14.2434, 13.9090, 17.3217



24.3186, 11.6320, 42.0118



1.7012, 0.8143, 2.9128

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



30.5085, 15.7541, 1.7208



41.2906, 21.2802, 2.1963



28.7851, 53.7374, 21.2873



13.7272, 13.7085, 14.3339



17.9281, 9.2382, 1.0211



1.2499, 0.6432, 0.1086

Previews

White Background



This preview shows how the XYZ color 41.3653, 19.8182, 71.4571 looks on a white background.

Color Contrast Check

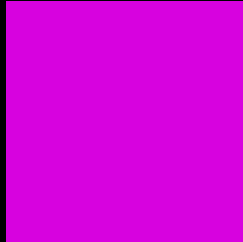
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 41.3653, 19.8182, 71.4571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.3653, 19.8182, 71.4571

Background



This preview shows how black text looks on a background with the XYZ color 41.3653, 19.8182, 71.4571.



This preview shows how white text looks on a background with the XYZ color 41.3653, 19.8182,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

41.3653, 19.8182, 71.4571

Protanopia

24.6059, 20.5887, 96.4431

Deuteranopia

21.1464, 20.4442, 63.8044



Tritanopia

29.2849, 20.0491, 12.6823

Trichromacy



Original Color

41.3653, 19.8182, 71.4571



Protanomaly

21.9734, 13.3985, 86.2221



Deuteranomaly

22.8801, 14.6367, 65.9092



Tritanomaly

31.3736, 17.7988, 26.5929

Monochromacy



Original Color

41.3653, 19.8182, 71.4571



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

16.3775, 10.2262, 25.5368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3653, 19.8182, 71.4571 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(215, 2, 223)` looks like.

```
.text, #text, p{  
    color:rgb(215, 2, 223)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(215, 2, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 2, 223) }
```

Border

The CSS property to change the border of an element to XYZ 41.3653, 19.8182, 71.4571 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 2, 223) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(215, 2, 223) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(215, 2, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 2, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 2, 223);  
box-shadow:4px 4px 4px 4px rgb(215, 2,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3653, 19.8182, 71.4571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 2, 223) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(215, 2,  
223) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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